

## **ABSTRACT**

A light emitting diode (LED) is a sealed and packaged structure for elevating heat dissipation efficiency of the LED; and is characterized that, a light emitting chip is placed at an area defined by fingers of the LED, and the light emitting diode has a lower portion thereof utilizing an inorganic material as a part of a sealed housing. According to the aforesaid structure, heat energy generated by the LED when a large electric current is inputted is rapidly conducted to an exterior via the inorganic material to offer all-round heat dissipation effects, thereby preventing the light emitting chip from damages caused by quantitative change due to high temperature as well as lengthening usage lifespan of the LED.